

Supplementary Materials: Biodegradation of Nodularin by a Microcystin-Degrading Bacterium: Performance, Degradation Pathway, and Potential Application

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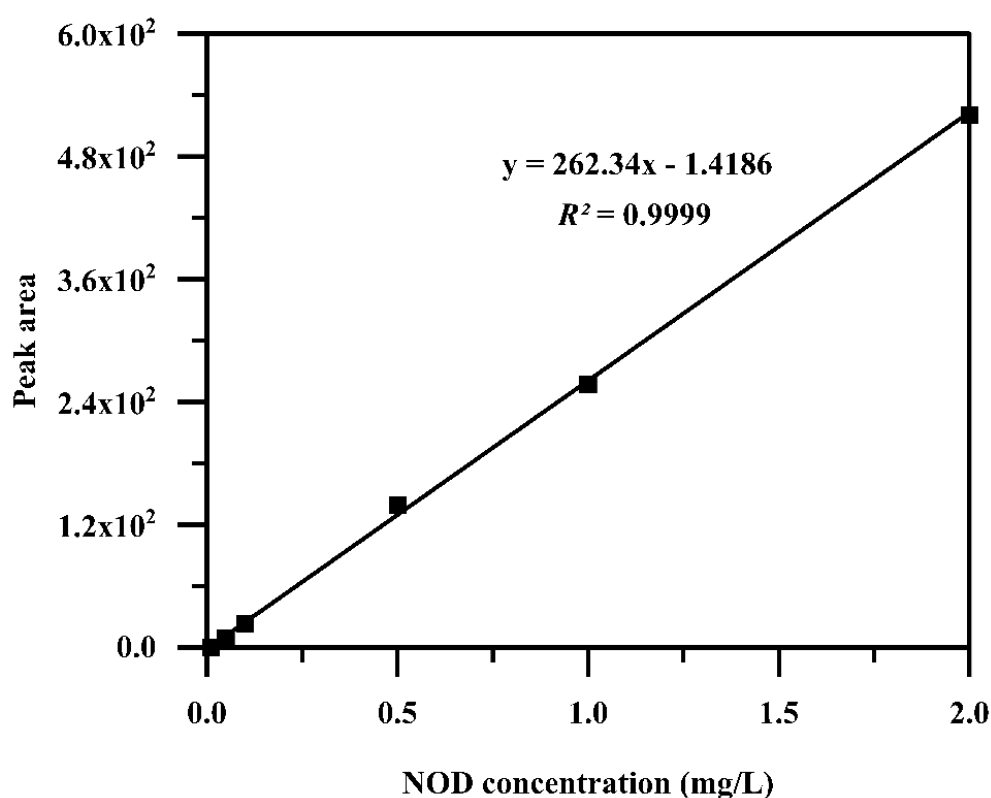


Figure S1. The standard curve of NOD quantified by HPLC (0.01–2.00 mg/L).

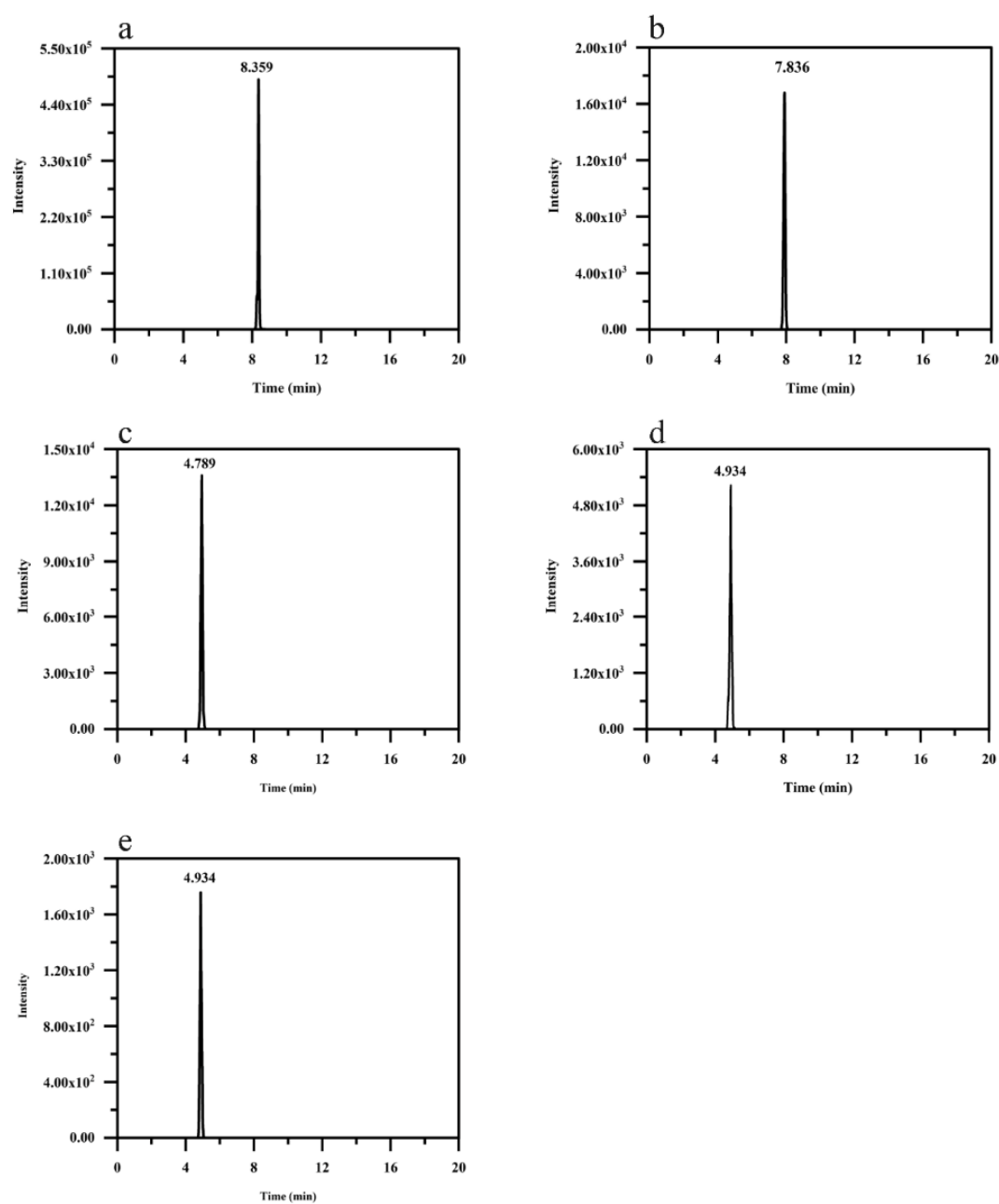


Figure S2. Five substance peaks in the TIC during degradation. (a) NOD; (b) Linear NOD; (c) Tetrapeptide; (d) Tripeptide; (e) Dipeptide.

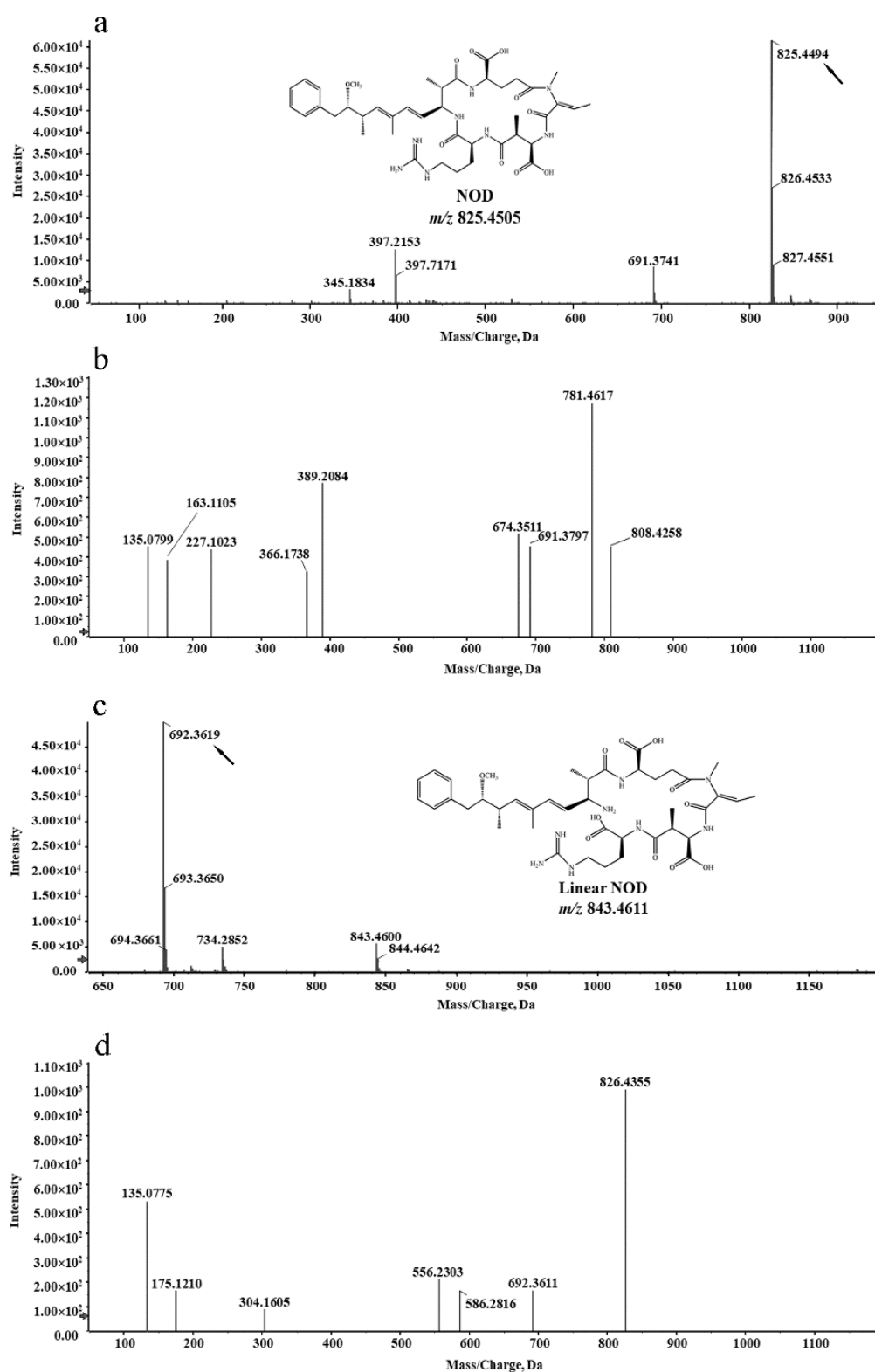


Figure S3. UPLC-MS/MS profiles for NOD and linear NOD. (a) MS spectrum for NOD; (b) MS/MS spectrum for NOD; (c) MS spectrum for linear NOD; (d) MS/MS spectrum for linear NOD.

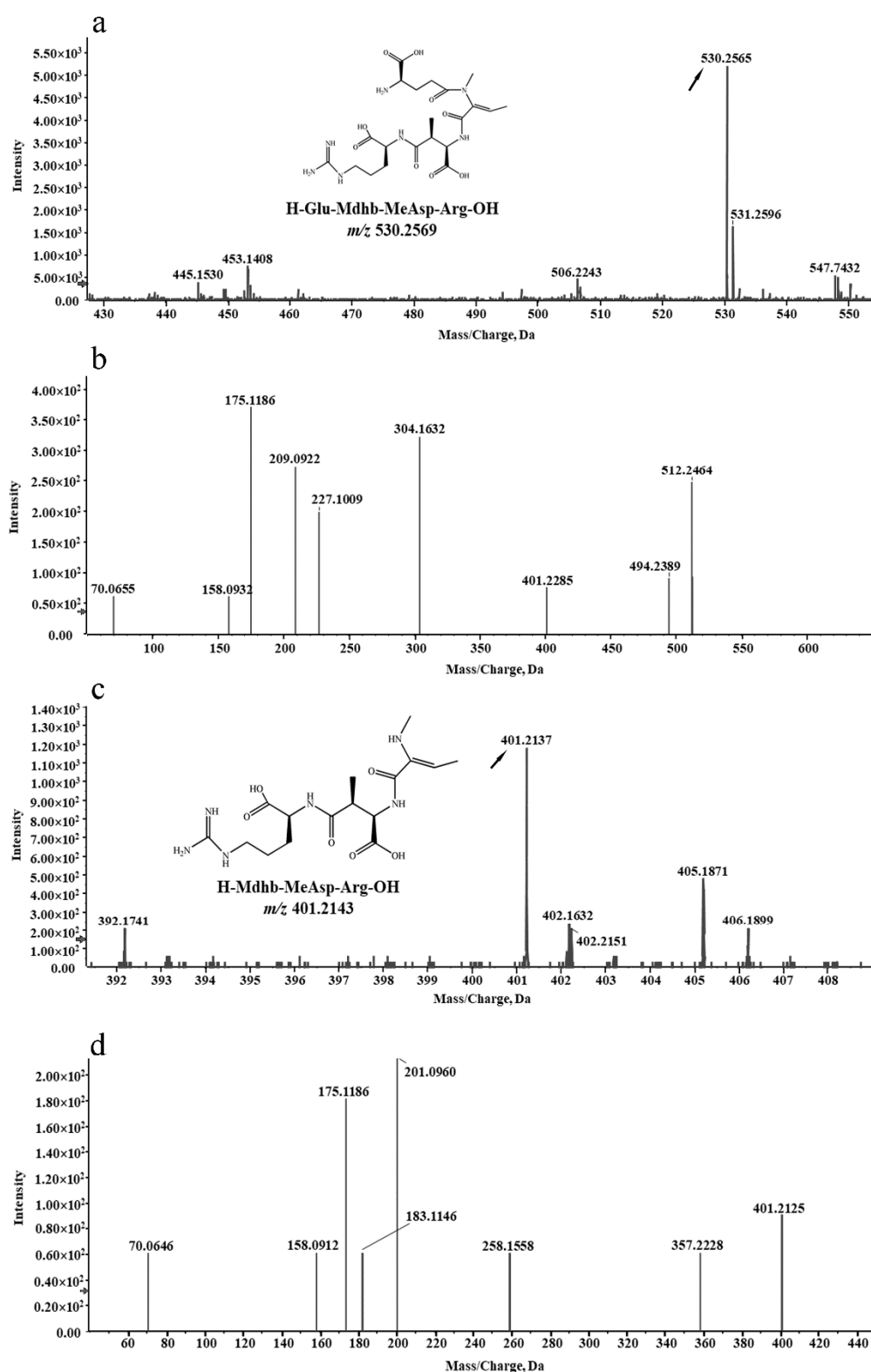


Figure S4. UPLC-MS/MS profiles for degradation products. (a) MS spectrum for tetrapeptide; (b) MS/MS spectrum for tetrapeptide; (c) MS spectrum for tripeptide; (d) MS/MS spectrum for tripeptide.

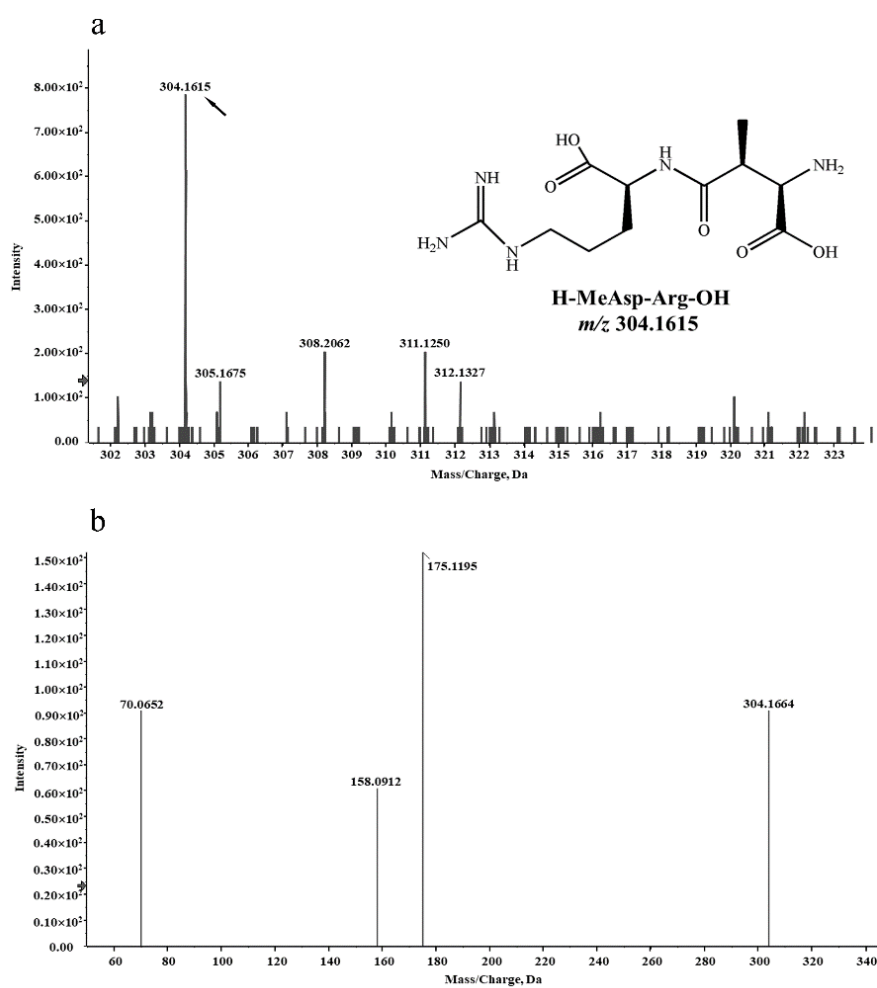


Figure S5. UPLC-MS/MS profile of dipeptide. (a) MS spectrum of dipeptide; (b) MS/MS spectrum of dipeptide.

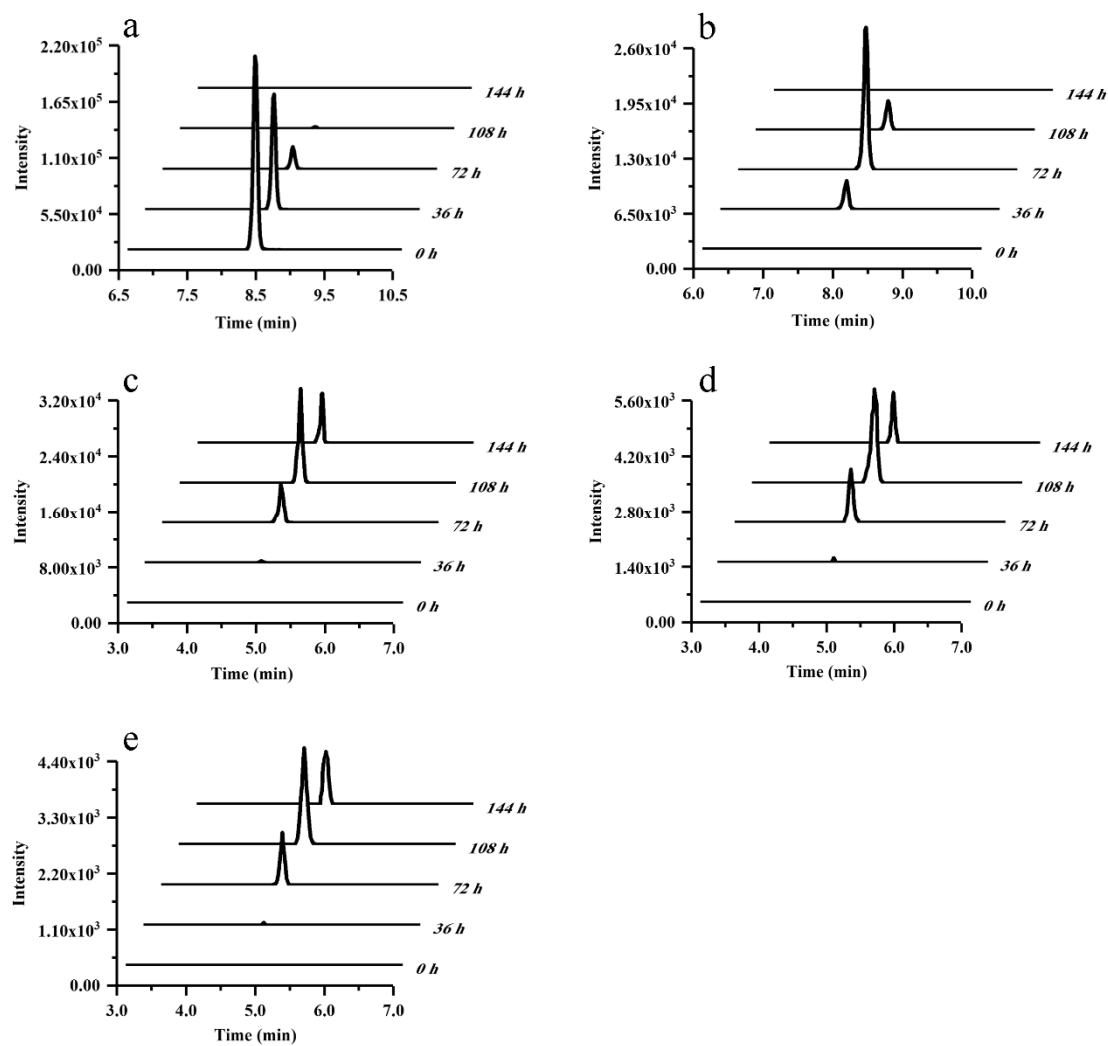


Figure S6. The dynamics of peak intensity of NOD and degradation products. (a) NOD; (b) linear NOD; (c) H-Glu-Mdhb-MeAsp-Arg-OH; (d) H-Mdhb-MeAsp-Arg-OH; (e) H-MeAsp-Arg-OH.